

**FORM PTO-1449 U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark**

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SERIAL NO.

**1021.41260X00**

**10/082,159**

**APPLICANT**

A. KIKUGAWA, et al

**FILING DATE**

**February 26, 2002**

**GROUP**

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Ba		A. Kikukawa, et al, "Noise Characteristics of Double-Layered Perpendicular Media Using Fe-Ta-C Underlayer", IEEE Transactions on Magnetics, vol. 37, No. 4, July 2001, pp. 1602-1604.

**EXAMINER**

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(Form PTO-1449 [6-4])

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 1021.41260X00	SERIAL NO. not assigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> KIKUGAWA, et al.	
		<b>FILING DATE</b> February 26, 2002	<b>GROUP</b> not assigned

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
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	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BK	AU	"High SN ratio and signal-stability in triple layer perpendicular media", NISHIHARA, Journal of the Magnetics Society of Japan, vol. 21, No. S1, pp.104-108(1997)
BK	AV	"Observation of Underlayer Domain Noise in Perpendicular Recording Disks" DARRAGH, IEEE Transactions on Magnetics, vol. 29, No. 6, pp3742-3744(1993)
BK	AW	Magrow Hill, Communication Modes, pp 125-126 (in japanese)
Examiner		Date Considered
BK [Signature]		4/30/04



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Ba	A. Kikukawa, et al <i>"Distributions and Characteristics of Spike Noise"</i> 5th PMRC Digest PMRC 2000, pp. 35-36.
Ba	Y. Uesaka, <i>"Noise from Underlayer of Perpendicular Magnetic Recording Medium"</i> J. Appl. Phys. Vol. 5, No. 1, April 1985, pp. 3925-3927.
Ba	English Translation of Magrow Hill, Communication Modes, pp. 125-126.

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